JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 320 (1987)

AUTHOR INDEX

Aime, S., (320) 229
Alt, H.G., (320) 37
Arce, A.J., (320) 385
Ayoko, G.A., (320) 137

Behrens, U., (320) C31
Bellis, V.M. De, (320) 391
Benecke, J., (320) C31
Benlaarab, H., (320) C51
Benn, R., (320) 115
Bhandari, N.S., (320) 283
Bitterwolf, T.E., (320) 121, 197
Boer, E.J.M. de, (320) 289
Boersma, J., (320) 1
Bond, A.M., (320) 363
Botta, M., (320) 229
Bowen Jones, J., (320) 13
Boyar, E., (320) 385
Brenneke, H., (320) 115
Brocard, J., (320) 295
Brown, D.S., (320) 13
Bruce, D.W., (320) 249
Bruce, M.I., (320) 217
Brüggemann, H., (320) 391
Budzelaar, P.H.M., (320) 1
Buttrus, N.H., (320) 137

Calhorda, M.J., (320) 53, 63
Carrondo, M.A.A.F. de C.T., (320) 53, 63
Chaudret, B., (320) C51
Chen, S., (320) 27
Cole-Hamilton, D.J., (320) 249
Corriu, R.J.P., (320) C1, C7
Cottee, F.H., (320) 249
Cuadrado, I., (320) 317

Da Costa, R.G., (320) 53
Dahan, F., (320) C51
Davies, S.G., (320) C19
De Bellis, V.M., (320) 391
De Boer, E.J.M., (320) 289
De Paoli, M.-A., (320) 91
De With, J., (320) 289
Deeming, A.J., (320) 385
Dekker, J., (320) 1
Dias, A.R., (320) 53, 63
Domingos, A.M.T., (320) 63
Döppert, K., (320) 177
Dordor-Hedgecock, I.M., (320) C19
Downard, A.J., (320) 363
Dräger, M., (320) 273
Drews, R., (320) C31
Duarte, M.T.L.S., (320) 53, 63
Duesler, E.N., (320) 307
Duisenberg, A.J.M., (320) 1

Eaborn, C., (320) 137
Edelmann, F., (320) C31
Ewing, P., (320) C47

Fan, Z., (320) 21
Farrugia, L.J., (320) C47
Fischer, H., (320) 185

Garcia, M.H., (320) 63
Gaube, W., (320) 129
Gautheron, B., (320) C39
Gobetto, R., (320) 229
Guérin, C., (320) C1, C7
Guibé-Jampel, E., (320) 171

He, B., (320) 27
Helms, M., (320) 129
Henner, B.J.L., (320) C1, C7
Herberhold, M., (320) 37
Herberich, G.E., (320) C35
Herzog, R., (320) 197
Hitchcock, P.B., (320) 137, C27
Hoberg, H., (320) 325
Hoffmann, H.M., (320) 273
Honold, B., (320) 37
Huet, F., (320) 171
Hunt, J.J., (320) 307
Hursthouse, M.B., (320) 53
Hynes, M.J., (320) C44

Igarashi, T., (320) C16
Inumaru, A.T., (320) 91
Ito, T., (320) C16
Iyer, S.R., (320) 339, 349

Jenni, K., (320) 325

Keller, H., (320) 83
Keller, K., (320) C31
Kerk, G.J.M. van der, (320) 1
Khandelwal, B.L., (320) 283
Kool, L.B., (320) 37
Koutsantonis, G.A., (320) 217
Kreissl, F.R., (320) 83
Krüger, C., (320) 325
Kuhn, N., (320) 391
Kunz, E., (320) C11

Lappert, M.F., (320) C27
Lebibi, J., (320) 295
Lechat, J.R., (320) 91
Lee, T.-W., (320) 211
Liddell, M.J., (320) 217
Lindqvist, O., (320) 129
Liu, R.-S., (320) 211
Losada, J., (320) 317

Mahon, M.F.T., (320) C44
Massey, A.G., (320) 13
Matsuzaki, T., (320) 239
Mazouz, A., (320) C39
McArdle, P., (320) C44
Meunier, P., (320) C39
Mingos, D.M.P., (320) 257
Morán, M., (320) 317
Müller, G., (320) 185
Müller, J., (320) C11
Murayama, K., (320) 239
Müssig, S., (320) C23

Nicholson, B.K., (320) 217

Obendorf, D., (320) 47
Oehme, G., (320) C56
Okuda, J., (320) C35
Onoda, T., (320) 239
Osella, D., (320) 229
Oster, P., (320) 257

Page, J.A., (320) 249
Paine, R.T., (320) 307
Paoli, M.A. de, (320) 91
Pellinghelli, M.A., (320) 101
Peringer, P., (320) 47
Poilblanc, R., (320) C51
Pracejus, H., (320) C56

Qian, Y., (320) 27
Qiu, W., (320) 21

Raabe, E., (320) 325
Rausch, M.D., (320) 37
Riede, J., (320) 83
Robinson, B.H., (320) 363
Rockswold, P.D., (320) 197
Roesky, H.W., (320) C31
Romao, C.C., (320) 63
Rufińska, A., (320) 115

Schenk, W.A., (320) C23
Schore, N.E., (320) 339, 349
Schouten, A., (320) 1
Schroth, G., (320) 325
Schubert, U., (320) C11
Schumann, H., (320) 145
Seitz, F., (320) 185
Shen, Y., (320) 21
Sherman, D.J., (320) 257
Sieber, W.J., (320) 83
Sieler, J., (320) 129
Simpson, J., (320) 363
Singh, A.K., (320) 283
Smith, J.D., (320) 137
Smith, S.J., (320) C27
Snook, C.F., (320) 13
Snyder, D.C., (320) 163
Spek, A.L., (320) 1
Süss-Fink, G., (320) 101
Sutton, K.H., (320) C19
Suzuki, F., (320) C16
Svensson, A., (320) 129

Thewalt, U., (320) 37, 177
Tiripicchio, A., (320) 101
Tomotake, Y., (320) 239
Tueting, D.R., (320) 339, 349

Van der Kerk, G.J.M., (320) 1

Wada, K., (320) 239
Watanabe, E., (320) 239
Whittaker, M., (320) C19
Winter, M., (320) 391
With, J. de, (320) 289
Wolfgruber, M., (320) 83
Wong Chi Man, W.W.C., (320) C1, C7
Xu, J.-M., (320) 267
Zeldin, M., (320) 267

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 320 (1987)

SUBJECT INDEX

Antimony

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320) 391

p-Nitrophenyl- and *p*-tolyl-oxadithia- and -trithia-stibocanes, synthesis and correlation between transannular distances and vibrational data of (H.M. Hoffmann, M. Dräger), (320)273

Arsenic

Cyclopentadienylcarbonyliron cationic complexes, alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

Lithium-arsenic homoleptic compound, $[Li\{\mu\text{-}As(CH(SiMe_3)_2)_2\}]_3$, synthesis, structure and reactions of (P.B. Hitchcock, M.F. Lappert, S.J. Smith). (320)C27

Trifluoroacetylmethylenetriphenylarsorane, synthesis, reactivity and crystal structure of (Y. Shen, Z. Fan, W. Qiu), (320)21

Boron

Bis(diphenylphosphino)-methanido- or -phosphido-bridged dihydridoruthenium complexes, formation in reactions of $RuRhH_2Cl(C_8H_{12})(Ph_2PCH_2PPh_2)_2$ with trialkylborohydrides of (H. Benlaarab, B. Chaudret, F. Dahan, R. Poilblanc), (320)C51

Cadmium

$[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]_2Hg$, $[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]_2Cd$ and $[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]HgBr$, preparation and reactions of; crystal structure of the cadmium compound (G.A. Ayoko, N.H. Buttrus, C. Eaborn, P.B. Hitchcock, J.D. Smith), (320)137

Chromium

Arenetricarbonylchromium, regiospecificity of the benzylic functional group of (J. Brocard, J. Lebibi), (320)295

$[Hg\{(\mu\text{-}PEt_2)Cr(CO)_5\}_3]^-$, preparation and NMR spectra of (D. Obendorf, P. Peringer), (320)47

Pentacarbonyl-[methoxy- and -[acetoxy-(phenyl)-carbene]-chromium and -tungsten complexes, reactions with tetramethylcyanoguanidine of (H. Fischer, F. Seitz, G. Müller), (320)185

Silicon-disubstituted (η^4-silole) complexes, synthesis and reactivity of (R.J.P. Corriu, C. Guérin, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C7

Tricarbonylchromium-substituted diarenes, synthesis and conformations of (T.E. Bitterwolf, R. Herzog, P.D. Rockswold), (320)197

Cobalt

Bis(diphenylphosphino)methane-substituted products from $(\mu_3\text{-}CCH_3)Co_3(CO)_9$ (S. Aime, M. Botta, R. Gobetto, D. Osella), (320)229

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

Silicon-disubstituted (η^4-silole) complexes, synthesis and reactivity of (R.J.P. Corriu, C. Guérin, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C7

Zirconocene and indirectly linked carbonyl containing complexes, construction and chemistry of (D.R. Tueting, S.R. Iyer, N.E. Schore), (320)349

Gold

$CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)AuPPh_3$-(*Mn–Au*) and $[CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)]_2Pt(3\text{-picolin})_2$-(*Mn–Pt*), synthesis from $Na[CH_2C_5H_4(CO)_2MnSiR_3]$; formation of metal–metal bonds and simultaneous SiR_3/H exchange (E. Kunz, J. Müller, U. Schubert), (320)C11

Trigonal-bipyramidal platinum-gold cluster compound, $[Pt_3Au_2(\mu\text{-}Cl)(\mu\text{-}SO_2)_2(PCy_3)_3(P\{p\text{-}C_6H_4F\}_3)_2][PF_6]$, synthesis and structural characterisation of (D.M.P. Mingos, P. Oster, D.J. Sherman), (320)257

Hafnium

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (32)C39

Iron

Carbonylcyclopentadienylethyl(triphenylphosphine)iron, $[(\eta^5\text{-}C_5H_5)Fe(CO)(PPh_3)CH_2CH_3]$, conformational analysis and X-ray crystal structure of (S.G. Davies, I.M. Dordor-Hedgecock, K.H. Sutton, M. Whittaker), (320)C19

(η^4-*exo*- and η^4-*endo*-1-chloro-2,5-diphenylsilacyclopentadiene)tricarbonyliron complexes, stereochemical behaviour of (R.J.P. Corriu, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C1

$Cp^*Fe(CO)_2[\eta^1\text{-}SP(S)(OR)_2]$ ($Cp^* = \eta\text{-}C_5H_5$ or $\eta\text{-}C_5Me_5$), electrochemical reduction of (M. Morán, I. Cuadrado, J. Losada), (320)317

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting N.E. Schore), (320)339

Cyclopentadienylcarbonyliron cationic complexes alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

(*N*-heterocyclic)(η^4-diene)dicarbonyliron(0) compounds, X-ray structure of (M.-A. De Paoli, J.E. Lechat, A.T. Inumaru), (320)91

Silicon-disubstituted (η^4-silole) complexes, synthesis and reactivity of (R.J.P. Corriu, C. Guérin, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C7

Stable cationic diene-iron complexes, preparation and characterisation of (M.J. Hynes, M.F.T. Mahon, P. McArdle), (320)C44

Sulphur monoxide-iron cationic complex, [CpFe-(dppe)-(SO)]PF_6, and sulphur dioxide-iron cationic complex, [CpFe(dppe)(SO_2)]PF_6, preparation of (W.A. Schenk, S. Müssig), (320)C23

Trialkylphosphanealkadieneiron(0) complexes, preparation of (H. Hoberg, K. Jenni, E. Raabe, C. Krüger, G. Schroth), (320)325

Lithium

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a

bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Fluoropyridinyl-containing chlorosilanes, synthesis and hydrolysis of (M. Zeldin, J.-M. Xu), (320)267

Lithium-arsenic homoleptic compound, $[Li\{\mu\text{-}As(CH(SiMe_3)_2)_2\}]_3$, synthesis, structure and reactions of (P.B. Hitchcock, M.F. Lappert, S.J. Smith), (320)C27

Magnesium

Trialkylphosphanealkadieneiron(0) complexes, preparation of (H. Hoberg, K. Jenni, E. Raabe, C. Krüger, G. Schroth), (320)325

Manganese

Bis[tris(dimethylamino)phosphane]hexacarbonyldimanganese, $Mn_2(CO)_8[P(NMe_2)_3]_2$, structural study of (J.J. Hunt, E.N. Duesler, R.T. Paine), (320)307

$CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)AuPPh_3$-(*Mn–Au*) and $[CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)]_2Pt(3\text{-picolin})_2$-(*Mn–Pt*), synthesis from $Na[CH_2C_5H_4\text{-}(CO)_2MnSiR_3]$; formation of metal–metal bonds and simultaneous SiR_3/H exchange (E. Kunz, J. Müller, U. Schubert), (320)C11

Pentacarbonyl(η^1-2,4-pentadienyl)manganese, synthesis, characterisation and reactivity of (T.-W. Lee, R.-S. Liu), (320)211

Mercury

C_3-bonded acetylacetonates of tellurium(IV), preparative and spectral investigations of (B.L. Khandelwal, A.K. Singh, N.S. Bhandari), (320)283

$[Hg\{(\mu\text{-}PEt_2)Cr(CO)_5\}_3]^-$, preparation and NMR spectra of (D. Obendorf, P. Peringer), (320)47

$[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]_2Hg$, $[(Me_3Si)_2\text{-}(CH_2{=}CHMe_2Si)C]_2Cd$ and $[(Me_3Si)_2\text{-}(CH_2{=}CHMe_2Si)C]HgBr$, preparation and reactions of; crystal structure of the cadmium compound (G.A. Ayoko, N.H. Buttrus, C. Eaborn, P.B. Hitchcock, J.D. Smith), (320)137

ortho-Terphenylenemercury dimer, $(C_{18}H_{12}Hg)_2$, crystal and molecular structure of (J. Bowen-Jones, D.S. Brown, C.F. Snook, A.G. Massey), (320)13

Metallocenes

Bis- and mono-(substituted cyclopentadienyl)titanium derivatives, high-performance liquid chromatographic behaviour of (B. He, Y. Qian, S. Chen), (320)27

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Dicyclopentadienylbis(trimethylphosphine)-titanium and -zirconium, preparation, characterisation and reactivity of; crystal structure of the zirconium compound (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Honold, U. Thewalt), (320)37

Dicyclopentadienylmolybdenum derivatives containing a four-membered ring, $[Mo(\eta^5\text{-}C_5H_5)_2(2\text{-}NHC_5H_4)][PF_6]$ and $[Mo(\eta^5\text{-}C_5H_5)_2(2\text{-}ONC_5H_4)][PF_6]$, molecular structure of (M.J. Calhorda, M.A.A.F. de C.T. Carrondo, R.G. Da Costa, A.R. Dias, M.T.L.S. Duarte, M.B. Hursthouse), (320)53

Dicyclopentadienylnitrile-molybdenum and -tungsten complexes, preparation and reactivity of; structure of di-η^5-cyclopentadienyliodoacetonitrilemolybdenum(IV) hexafluorophosphate, $[Mo(\eta^5\text{-}C_5H_5)_2I(NCCH_3)][PF_3]$ (M.J. Calhorda, M.A.A.F. de Carrondo, A.R. Dias, A.M.T. Domingos, M.T.L.S. Duarte, M.H. Garcia, C.C. Romão), (320)63

Heteroallene complexes of molybdenocenes, structure of (J. Okuda, G.E. Herberich), (320)C35

Zirconocene and indirectly linked carbonyl containing complexes, construction and chemistry of (D.R. Tueting, S.R. Iyer, N.E. Schore), (320)349

Molybdenum

η^3-Allylmolybdenum cationic complex, $[\eta^5\text{-}C_5H_5)_2Mo(\eta^3\text{-}C_3H_5)]^+[p\text{-}CH_3C_6H_4SO_3]^-$, convenient one-step synthesis of (T. Ito, T. Igarashi, F. Suzuki), (320)C16

Dicarbonyl- and carbonyl-(trimethylphosphine)-(cyclopentadienyl)carbyne-molybdenum and -tungsten complexes, acid-induced rearrangement of (F.R. Kreissl, W.J. Sieber, H. Keller, J. Riede, M. Wolfgruber), (320)83

Dicyclopentadienylmolybdenum derivatives containing a four-membered ring, $[Mo(\eta^5\text{-}$

$C_5H_5)_2(2\text{-}NHC_5H_4)][PF_6]$ and $[Mo(\eta^5\text{-}C_5H_5)_2(2\text{-}ONC_5H_4)][PF_6]$, molecular structure of (M.J. Calhorda, M.A.A.F. de C.T. Carrondo, R.G. Da Costa, A.R. Dias, M.T.L.S. Duarte, M.B. Hursthouse), (320)53

Dicyclopentadienylnitrile-molybdenum and -tungsten complexes, preparation and reactivity of; structure of di-η^5-cyclopentadienyliodoacetonitrilemolybdenum(IV) hexafluorophosphate, $[Mo(\eta^5\text{-}C_5H_5)_2I(NCCH_3)][PF_6]$ (M.J. Calhorda, M.A.A.F. de C.T. Carrondo, A.R. Dias, A.M.T. Domingos, M.T.L.S. Duarte, M.H. Garcia, C.C. Romão), (320)63

Heteroallene complexes of molybdenocenes, structure of (J. Okuda, G.E. Herberich), (320)C35

Nickel

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Cyclopentadienylcarbonyliron cationic complexes alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Osmium

Dodeca-triruthenium and -triosmium and triphenylphosphine, redox chemistry of; mechanism of catalysed nucleophilic substitution (A.J. Downard, B.H. Robinson, J. Simpson, A.M. Bond), (320)363

Halovinylidene-containing ruthenium and osmium complexes, synthesis and properties of; X-ray structure of $[Ru(C{=}CIPh)(PPh_3)_2(\eta\text{-}C_5H_5)][I_3]$ (M.I. Bruce, G.A. Koutsantonis, M.J. Liddell, B.K. Nicholson), (320)217

Hex-5-en-2-one, double bond shifts induced by reaction with triosmium clusters of (A.J. Arce, E. Boyar, A.J. Deeming), (320)385

Platina-allenyl ligand coordination to a triosmium cluster, X-ray cluster structure of the acetylide complex $Os_3Pt(\mu\text{-}H)(\mu_4\text{-}\eta^2\text{-}C{\equiv}C\text{-}Ph)(CO)_{10}(PCy_3)$ (Cy = cyclohexyl) (P. Ewing, L.J. Farrugia), (320)C47

Trinuclear osmium clusters containing aminophosphine and phosphinoamido ligands, synthesis and molecular structure of $Os_3(CO)_{11}(PPh_2NHPh)$ and $HOs_3(CO)_8(PPh_2NHPh)(PPh_2NPh)$ (G. Süss-Fink, M.A. Pellinghelli, A. Tiripicchio), (320)101

Palladium

μ_3-Allyl-μ_1-chlorobis(triphenylphosphine)dipalladium(I), preparation and crystal structure of (J. Sieler, M. Helms, W. Gaube, A. Svensson, O. Lindqvist), (320)129

Palladium(II)-based catalytic system for dimerisation of methyl acrylate promoted by silver tetrafluoroborate and *p*-benzoquinone (G. Oehme, H. Pracejus), (320)C56

Phosphorus

μ_3-Allyl-μ_1-chlorobis(triphenylphosphine)dipalladium(I), preparation and crystal structure of (J. Sieler, M. Helms, W. Gaube, A. Svensson, O. Lindqvist), (320)129

Bis(diphenylphosphino)methane-substituted products from $(\mu_3\text{-}CCH_3)Co_3(CO)_9$ (S. Aime, M. Botta, R. Gobetto, D. Osella), (320)229

Bis(diphenylphosphino)-methanido- or -phosphido-bridged dihydridoruthenium complexes, formation in reactions of $RuRhH_2Cl(C_8H_{12})(Ph_2PCH_2PPh_2)_2$ with trialkylborohydrides of (H. Benlaarab, B. Chaudret, F. Dahan, R. Poilblanc), (320)C51

Bis[tris(dimethylamino)phosphane]hexacarbonyldimanganese, $Mn_2(CO)_8[P(NMe_2)_3]_2$, structural study of (J.J. Hunt, E.N. Duesler, R.T. Paine), (320) 307

Carbonylcyclopentadienylethyl(triphenylphosphine)iron, $[(\eta^5\text{-}C_5H_5)Fe(CO)(PPh_3)CH_2\text{-}CH_3]$, conformational analysis and X-ray crystal structure of (S.G. Davies, I.M. Dordor-Hedgecock, K.H. Sutton, M. Whittaker), (320)C19

$CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)AuPPh_3$-(*Mn–Au*) and $[CH_3C_5H_4(CO)_2Mn\text{-}(\mu\text{-}H)]_2Pt(3\text{-picolin})_2$-(*Mn–Pt*), synthesis from $Na[CH_2C_5H_4\text{-}(CO)_2MnSiR_3]$; formation of metal–metal bonds and simultaneous SiR_3/H exchange (E. Kunz, J. Müller, U. Schubert), (320)C11

$Cp^*Fe(CO)_2[\eta^1\text{-}SP(S)(OR)_2]$ ($Cp^* = \eta\text{-}C_5H_5$ or $\eta\text{-}C_5Me_5$), electrochemical reduction of (M. Morán, I. Cuadrado, J. Losada), (320)317

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Cyclopentadienylcarbonyliron cationic complexes, alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Cyclopentadienylcobalt(III) dications, simple

route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

Dicarbonyl- and carbonyl-(trimethylphosphine)(cyclopentadienyl)carbyne-molybdenum and -tungsten complexes, acid-induced rearrangement of (F.R Kreissl, W.J. Sieber, H. Keller, J. Riede, M. Wolfgruber), (320)83

Dicyclopentadienylbis(trimethylphosphine)-titanium and -zirconium, preparation, characterisation and reactivity of; crystal structure of the zirconium compound (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Honold, U. Thewalt), (320)37

Dodeca-triruthenium and -triosmium and triphenylphosphine, redox chemistry of; mechanism of catalysed nucleophilic substitution (A.J. Downard, B.H. Robinson, J. Simpson, A.M. Bond), (320)363

Hexacarbonylbis(tricyclopentylphosphine)dirhodium and hexacarbonylbis(triisopropylphosphine)dirhodium from a catalytic system for syngas conversion to ethylene glycol (Y. Tomotake, T. Matsuzaki, K. Murayama, E. Watanabe, K. Wada, T. Onoda), (320)239

$[Hg\{(\mu\text{-}PEt_2)Cr(CO)_5\}_3]^-$, preparation and NMR spectra of (D. Obendorf, P. Peringer), (320)47

Organorhodium complexes, two-dimensional indirect ^1H, ^{103}Rh NMR spectroscopic investigations of (R. Benn, H. Brenneke, A. Rufińska), (320)115

Palladium(II)-based catalytic system for dimerisation of methyl acrylate promoted by silver tetrafluoroborate and *p*-benzoquinone (G. Oehme, H. Pracejus), (320)C56

Platina-allenyl ligand coordination to a triosmium cluster, X-ray structure of the acetylide complex $Os_3Pt(\mu\text{-}H)(\mu_4\text{-}\eta^2\text{-}C{\equiv}C\text{-}Ph)(CO)_{10}(PCy_3)$ (Cy = cyclohexyl) (P. Ewing, L.J. Farrugia), (320)C47

Sulphur monoxide-iron cationic complex, $[CpFe(dppe)(SO)]PF_6$, and sulphur dioxide-iron cationic complex, $[CpFe(dppe)(SO_2)]PF_6$, preparation of (W.A. Schenk, S. Müssig), (320)C23

Trialkylphosphanealkadieneiron(0) complexes, preparation of (H. Hoberg, K. Jenni, E. Raabe, C. Krüger, G. Schroth), (320)325

Triethylphosphineplatinum(II) complexes in aqeous solution, fast atom bombardment mass spectrometric investigation of (D.W. Bruce, D.J. Cole-Hamilton, F.H. Cottee, J.A. Page), (320)249

Trinuclear osmium clusters containing aminophosphine and phosphinoamido ligands, synthesis and molecular structure of $Os_3(CO)_{11}(PPh_2NHPh)$ and $HOs_3(CO)_8(PPh_2NHPh)(PPh_2NPh)$ (G. Süss-Fink, M.A. Pellinghelli, A. Tiripicchio), (320)101

Platinum

$CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)AuPPh_3$-(*Mn–Au*) and $[CH_3C_5H_4(CO)_2Mn\text{-}(\mu\text{-}H)]_2Pt(3\text{-picolin})_2$-*Mn–Pt*, synthesis from $Na[CH_2C_5H_4(CO)_2MnSiR_3]$; formation of metal–metal bonds and simultaneous SiR_3/H exchange (E. Kunz, J. Müller, U. Schubert), (320)C11

Platina-allenyl ligand coordination to a triosmium cluster, X-ray structure of the acetylide complex $Os_3Pt(\mu\text{-}H)(\mu_4\text{-}\eta^2\text{-}C{\equiv}C\text{-}Ph)(CO)_{10}(PCy_3)$ (Cy = cyclohexyl) (P. Ewing, L.J. Farrugia), (320)C47

Triethylphosphineplatinum(II) complexes in aqueous solution, fast atom bombardment mass spectrometric investigation of (D.W. Bruce, D.J. Cole-Hamilton, F.H. Cottee, J.A. Page), (320)249

Trigonal-bipyramidal platinum-gold cluster compound, $[Pt_3Au_2(\mu\text{-}Cl)(\mu\text{-}SO_2)_2(PCy_3)_3(P\{p\text{-}C_6H_4F\}_3)_2][PF_6]$, synthesis and structural characterisation of (D.M.P. Mingos, P. Oster, D.J. Sherman), (320)257

Rhodium

Bis(diphenylphosphino)-methanido- or -phosphido-bridged dihydridoruthenium-rhodium complexes, formation in reactions of $RuRhH_2Cl(C_8H_{12})(Ph_2PCH_2PPh_2)_2$ with trialkylborohydrides of (H. Benlaarab, B. Chaudret, F. Dahan, R. Poilblanc), (320)C51

Dinuclear rhodium complexes, reaction with sulphur dioxide of (T.E. Bitterwolf), (320)121

Hexacarbonylbis(tricyclopentylphosphine)dirhodium and hexacarbonylbis(triisopropylphosphine)dirhodium from a catalytic system for syngas conversion to ethylene glycol (Y. Tomotake, T. Matsuzaki, K. Murayama, E. Watanabe, K. Wada, T. Onoda), (320)239

Organorhodium complexes, two-dimensional indirect ^1H, ^{103}Rh NMR spectroscopic investigations of (R. Benn, H. Brenneke, A. Rufińska), (320)115

Ruthenium

Bis(diphenylphosphino)-methanido- or -phosphido-bridged dihydridoruthenium-rhodium complexes, formation in reactions of $RuRhH_2Cl$-$(C_8H_{12})(Ph_2PCH_2PPh_2)_2$ with

trialkylborohydrides of (H. Benlaarab, B. Chaudret, F. Dahan, R. Poilblanc), (320)C51

Dodeca-triruthenium and -triosmium and triphenylphosphine, redox chemistry of; mechanism of catalysed nucleophilic substitution (A.J. Downard, B.H. Robinson, J. Simpson, A.M. Bond), (320)363

Halovinylidene-containing ruthenium and osmium complexes, synthesis and properties of; X-ray structure of $[Ru(C{\equiv}CIPh)(PPh_3)_2(\eta\text{-}C_5H_5)][I_3]$ (M.I. Bruce, G.A. Koutsantonis, M.J. Liddell, B. K. Nicholson), (320)217

Selenium

Cyclopentadienylcarbonyliron cationic complexes, alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Silicon

$CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)AuPPh_3$-(*Mn–Au*) and $[CH_3C_5H_4(CO)_2Mn(\mu\text{-}H)]_2Pt$(3-picolin)$_2$-(*Mn–Pt*), synthesis from $Na[CH_2C_5H_4(CO)_2MnSiR_3]$; formation of metal–metal bonds and simultaneous SiR_3/H exchange (E. Kunz, J. Müller, U. Schubert), (320)C11

η^4-*exo*- and η^4-*endo*-1-Chloro-2,5-diphenylsilacyclopentadiene)tricarbonyliron complexes, stereochemical behaviour of (R.J.P. Corriu, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C1

Cyclic polynuclear ferrocenes derived from $(C_6H_5)_2PCH_2CH_2Si(CH_3)_2C_5H_4Li$ as a bridging ligand, preparation and study of (S.R. Iyer, D.R. Tueting, N.E. Schore), (320)339

Fluoropyridinyl-containing chlorosilanes, synthesis and hydrolysis of (M. Zeldin, J.-M. Xu), (320)267

Lithium-arsenic homoleptic compound, $[Li\text{-}\mu\text{-}As(CH(SiMe_3)_2)_2]_3$, synthesis, structure and reactions of (P.B. Hitchcock, M.F. Lappert, S.J. Smith), (320)C27

$[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]_2Hg$, $[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]_2Cd$ and $[(Me_3Si)_2(CH_2{=}CHMe_2Si)C]HgBr$, preparation and reactions of; crystal structure of the cadmium compound (G.A. Ayoko, N.H. Buttrus, C. Eaborn, P. B. Hitchcock, J.D. Smith), (320)137

Silicon-disubstituted (η^4-silole) complexes, synthesis and reactivity of (R.J.P. Corriu, C. Guérin, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C7

Thioketene-vanadium complexes, synthesis and structure of (J. Benecke, R. Drews, U. Behrens, F. Edelmann, K. Keller, H.W. Roesky), (320)C31

α-Trichlorosilyl-substituted organic amines, removal by hydrochlorides and base of the $SiCl_3$ group from (D.C. Snyder), (320)163

Silver

Palladium(II)-based catalytic system for dimerisation of methyl acrylate promoted by silver tetrafluoroborate and *p*-benzoquinone (G. Oehme, H. Pracejus), (320)C56

Sulphur

$Cp^*Fe(CO)_2[\eta^1\text{-}SP(S)(OR)_2]$($Cp^* = \eta\text{-}C_5H_5$ or $\eta\text{-}C_5Me_5$), electrochemical reduction of (M. Morán, I. Cuadrado, J. Losada), (320)317

Cyclopentadienylcarbonyliron cationic complexes, alkylidene-bridged diphosphanes and dichalcogenodiphosphorane ligands in (H. Schumann), (320)145

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Dicyclopentadienylnitrile-molybdenum and -tungsen complexes, preparation and reactivity of; structure of di-η^5-cyclopentadienyliodoacetonitrilemolybdenum(IV) hexafluorophosphate, $[Mo(\eta^5\text{-}C_5H_5)_2I(NCCH_3)][PF_6]$ (M.J. Calhorda, M.A.A.F. De Carrondo, A.R. Dias, A.M.T. Domingos, M.T.L.S. Duarte, M.H. Garcia, C.C. Romão), (320)63

p-Nitrophenyl- and *p*-tolyl-oxadithia- and -thrithia-stibocanes, synthesis and correlation between transannular distances and vibrational data of (H.M. Hoffman, M. Dräger), (320)273

Sulphur monoxide-iron cationic complex, $[CpFe(dppe)(SO)]PF_6$, and sulphur dioxide-iron cationic complex, $[CpFe(dppe)(SO_2)]PF_6$, preparation of (W.A. Schenk, S. Müssig), (320)C23

Thioketene-vanadium complexes, synthesis and structure of (J. Benecke, R. Drews, U. Behrens, F. Edelmann, K. Keller, H.W. Roesky), (320)C31

Tellurium

C_3-bonded acetylacetonates of tellurium(IV), preparative and spectral investigations of (B.L. Khandelwal, A.K. Singh, N.S. Bhandari), (320)283

Cyclopentadienylcobalt(III) dications, simple route for synthesis of (N. Kuhn, H. Brüggemann, M. Winter, V.M. De Bellis), (320)391

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Tin

Nitroalkanes, *O*- and *C*-stannylation of (E. Guibé-Jampel, F. Huet), (320)171

Titanium

Acyl C–O bond cleavage in $(C_5Me_5)_2TiCOR$ compounds, formation of benzene derivatives by ring expansion involving incorporation of the acyl–carbon atom (E.J.M. de Boer, J. de With), (320)289

Bis- and mono-(substituted cyclopentadienyl)titanium derivatives, high-performance liquid chromatographic behaviour of (B. He, Y. Qian, S. Chen), (320)27

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Dicyclopentadienylbis(trimethylphosphine)-titanium and -zirconium, preparation, characterisation and reactivity of; crystal structure of the zirconium compound (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Honold, U. Thewalt), (320)37

Tetrakis[μ-oxo-(2,4,6-trimethylphenoxo)cyclopentadienyltitanium(IV)], preparation and structure of (U. Thewalt, K. Döppert), (320)177

Tungsten

Dicarbonyl-carbonyl-(trimethylphosphine)(cyclopentadienyl)carbyne-molybdenum and -tungsten complexes, acid-induced rearrangement of (F.R. Kreissl, W.J. Sieber, H. Keller, J. Riede, M. Wolfgruber), (320)83

Dicyclopentadienylnitrile-molybdenum and -tungsten complexes, preparation and reactivity of; structure of di-η^5-cyclopentadienyl-iodoacetonitrilemolybdenum(IV) hexafluorophosphate, $[Mo(\eta^5\text{-}C_5H_5)_2I(NCCH_3)][PF_6]$ (M.J. Calhorda, M.A.A.F. de Carrondo, A.R. Dias, A.M.T. Domingos, M.T.L.S. Duarte, M.H. Garcia, C.C. Romão), (320)63

Pentacarbonyl-[methoxy- and -[acetoxy-(phenyl)-carbene]-chromium and -tungsten complexes, reactions with tetramethylcyanoguanidine of (H. Fischer, F. Seitz, G. Müller), (320)185

Silicon-disubstituted (η^4-silole) complexes, synthesis and reactivity of (R.J.P. Corriu, C. Guérin, B.J.L. Henner, W.W.C. Wong Chi Man), (320)C7

Vanadium

Thioketene-vanadium complexes, synthesis and structure of (J. Benecke, R. Drews, U. Behrens, F. Edelmann, K. Keller, H.W. Roesky), (320)C31

Zinc

Zinc enolates, C- or O-metallation of (J. Dekker, A. Schouten, P.H.M. Budzelaar, J. Boersma, G.J.M. van der Kerk, A.L. Spek, A.J.M. Duisenberg), (320)1

Zirconium

Dichalcogenophenylenemetallocenes (M = Ti, Zr, Hf), preparation of; first example of a ditellurophenylenezirconocene (P. Meunier, B. Gautheron, A. Mazouz), (320)C39

Dicyclopentadienylbis(trimethylphosphine)-titanium and -zirconium, preparation, characterisation and reactivity of; crystal structure of the zirconium compound (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Honold, U. Thewalt), (320)37

Zirconocene and indirectly linked carbonyl containing complexes, construction and chemistry of (D.R. Tueting, S.R. Iyer, N.E. Schore), (320) 349

Book review

Gmelin handbook of inorganic chemistry, 8th edit., Th — Thorium, Supplement Vol. A2, History, isotopes, recovery of thorium (K.R. Seddon), (320)C5